

Amendments To The Claims:

Claim 1. (Currently Amended) An injection catheter comprising:

a first elongated shaft having a distal end and a proximal end and a first lumen extending therebetween;

a needle with a proximal end and distal end and a needle lumen extending therebetween, the needle disposed within the first lumen of the first elongated shaft and extending from a proximal end of the catheter to a distal end of the catheter;

a stop collar disposed within the first lumen of the first elongated shaft near the distal end of the needle; the stop collar having a portion thereon configured to prevent lateral movement of the stop collar within the first elongated shaft;

a first set of threads located on the needle; and

a second set of threads located on the stop collar;

wherein rotation of the needle within the first elongated shaft causes longitudinal movement of the stop collar relative to the needle within the first elongated shaft, the positioning of the stop collar within the first elongated shaft controlling a variable extent to which the needle may be extended beyond the distal end of the first elongated shaft.

Claim 2. (Canceled)

Claim 3. (Canceled)

Claim 4. (Currently Amended) The injection catheter of claim [[3]] L, wherein the portion of the stop collar configured to prevent lateral movement ~~means for preventing rotation of the stop collar with respect to the elongated shaft while permitting longitudinal movement of the stop collar on the elongated shaft~~ comprises:

a plurality of outwardly extending longitudinal protrusions located on the stop collar; and

a plurality of grooves in an inner surface of the first elongated shaft to slidably receive the plurality of outwardly extending longitudinal protrusions.

Claims 5-12. (Canceled)

Claim 13. (Previously presented) The injection catheter of claim 1 wherein the first elongated shaft is made of a low friction material.

Claim 14. (Previously presented) The injection catheter of claim 1 wherein the first elongated shaft comprises polytetrafluoroethylene.

Claims 15-16. (Cancelled)

Claim 17. (Previously presented) The injection catheter of claim 1 wherein the first elongated shaft is reinforced with a braid.

Claims 18-20. (Cancelled)